

Search Report In English

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/009611

		· ECI/UF	2004/009611		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G01M3/26					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ G01M3/26, G01M3/00, G01F1/68					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) JICST (JOIS)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a		Relevant to claim No.		
X (' . A	•	line 20; page 19,	2,6,7,12,14 1,3-5,8-11, 13,15		
A	JP 62-223640 A (Vestar Resea 01 October, 1987 (01.10.87), Full text; all drawings & US 4646560 A	rch, Inc.),	1,3-5,8-11, 13,15		
× Further doc	cuments are listed in the continuation of Box C.	See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search O2 September, 2004 (02.09.04)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family Date of mailing of the international search report 21 September, 2004 (21.09.04)			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

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	PCT/JP2	2004/009611
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-54964 A (Mitsui Mining & Smelting Co., Ltd.), 20 February, 2002 (20.02.02), Full text; all drawings & WO 02/14799 A & EP 1326062 A & US 2003-167837 A1 & CA 1326062 A & CN 1443301 T	2,3,7,14, 15
Α	JP 2000-16500 A (Tatsuno Corp.), 18 January, 2000 (18.01.00), Full text; all drawings (Family: none)	1-15
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: Inventions group I: Claims 1, 3 through 13, 15 Inventions group II: Claims 2, 14 The matter common to the two inventions groups lies in the point that a leakage detector which detects the leakage of liquid stored in a tank, on
the basis of a variation in liquid level, is provided with a liquid storage section having a space for storing liquid which flows in from the tank, and a flow rate measuring section for measuring the flow rate of liquid. Such arrangement, however, is not novel as it is disclosed in Document JP 2003-185522 A (Mitsui Mining & Smelting Co., Ltd.),03 July, 2003, (03.07.03) Fig. 1. (continued to extra sheet)
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest
No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet(2)

As a result, the above common matter is no better than the prior art. Therefore, the common matter is not a special technical feature in the sense of the second sentence of PCT Rule 13. 2.

Accordingly, it is clear that the inventions groups I, II do not satisfy the requirement of unity of invention.

Form PCT/IS & 1710 (evtra cheet) (January 7004)